(d) the details of the proposed organisational structure for permanent machinery for disaster management; and

(e) the details of recommendations in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MULLAPALLY RAMACHANDRAN): (a) Execution of Relief Operation in the wake of Natural Calamities is primarily the responsibility of the State Governments. There is a relief machinery in each State which operators on the basis of State Relief Manuals. There is no proposal to set up any other machienry or institutions at the Central level for this purpose.

(b) to (e) Do not arise.

Technology Missions under the Ministry of Agriculture

2274. SHRI KAMAL MORARKA: Will the Minister of AGRICULTURE be pleased to state:

(a) the number of technological Missions under operation in his Ministry and since when;

(b) what are the objectives for which these Missions have been set up;

(c) the extent to which the objectives have been achieved;

(d) whether these have been monitored by any agency under his Ministry; and

(e) if so, what are the shortcomings noticed and the sugegstions made for improving their operation in various fields?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MULLAPALLY RAMACHANDRAN): (a) There are two Technology Missions under Operation in the Ministry of Agriculture namely the Technology Mission on Oilseeds and Pulses and Technology Mission on Dairy Development.

(b) to (e) The relevant information is being collected and will be laid on the Table of the Sabha.

Biological Agency Developed for Pests

2275. SHRI B. K. HARIPRASAD: Will the Minister of AGRICULTURE be pleased to state:

(a) whether Government have compiled a list of various biological agents developed in the country indicating the pest against which it is successful and the crops it protects; and

(b) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MULLAPALLY RAMACHANDRAN): (a) Yes, Sir.

(b) Information is given in the statement attached.

Statement

Potential Biological Control Agents Developed for the Control of Crop Pests

Crops/Weeds	Pests	Potential Biological Control Agents
Sugarcane	Pyrilla	**Epiricania** **Tetrastichus**
	Borers	**Trichogramma**
	Scale insect	**Chilocoris** **Pharoscymnus**
Cotton	Bollworms	**Trichogramma** **Bracon** **Chelonus** **Chrysopa** Nuclear Polyhedrosis virus
Rice	Stem borers	**Trichogramma**
	Leaf folder	**Trichogramma**
	Leafhoppers & plant hoppersS	**Cyrtorhinus**

Crops/Weeds	Pests	Potential Biological Contro Agen s
Maize	Stem borer	**Trichogramma**
Sorghum	Stem borer	**Trichogtamma**
Castor	Cutwcrm	**Telenomus**
Gram & Arhar	Pod borer	**Chrysopa** **Chelonus** **Bracon** Nuclear Polyhedrosis virus
Tomato	Fruit borer	**Chrysopa** **Chelonus** **Bracon** **Trichogramma** Nuclear Polyhedrosis virus
Apple	San Jose Scale	**Encarsia** **Aphytis** **Chilocoris**
	Woolly aphid	**Aphelinus;**
	Cod ling moth	**Trichogramma**
Citrus	Mealy bugs	**Cryptolemus**
Grape	Mealy bugs '	**Cryptolaemus**
Coconut	Black headed caterpillar	**Bracon** **Parasierola**
Water Hyacinth	..	**Neochatina**
Salvinia	..	**Cyrtoaucous**

2276. [*Transferred to the 19th December* 1991.]

Chilly Crops affected by virus in Andhra Pradesh

2277. DR. YELAMANCHILI SIVAJI: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is the fact that Chilly crop is badly affected by virus in some districts of Andhra Pradesh and if so, what are the details thereof;

(b) what is the estimated loss; and

(c) what steps have been taken in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MULLAPALLY RAMACHANDRAN): (a) and (b) Yes Sir. As per the information given by State Government of Andhra Pradesh, the chilli crop has been affected by a virus disease for the first time in Guntur, Prakasam and Krishna districts of Andhra Pradesh. The estimated crop loss has been reported to be 15,829 and 6,143 tonnes in Guntur and Prakasam districts, respectively. The surveys for loss estimates in Krishna district are in progress. No incidence of virus has been noticed in the other major chilli growing districts of Warangal and Khammam.

(c) The following steps have been taken by the Government of Andhra Pradesh in this regard:

(i) A team of scientists from Agricultural Research Station, Lam (Guntur) along with the officers of State Department of Agriculture, Andhra Pradesh surveyed the disease affected areas to study the problem and to render suitable advice to the farmers. The team identified the problem due to virus. Subsequently, the investigations at International Crops Research Institute for Semi Arid Tropics (ICRISAT), Hyderabad also confirmed the malady due to virus.

(ii) To improve the crop condition, the farmers have been advised by the specialists to spray the affected crop with urea (100 gm) mixed with 50 gm of muriate of potash, in 10 litres of water.